

FIG. 1A

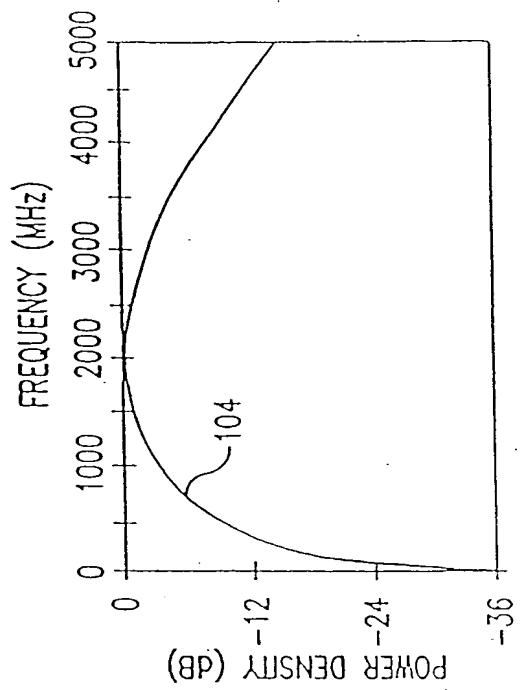


FIG. 1B

FIG. 2B

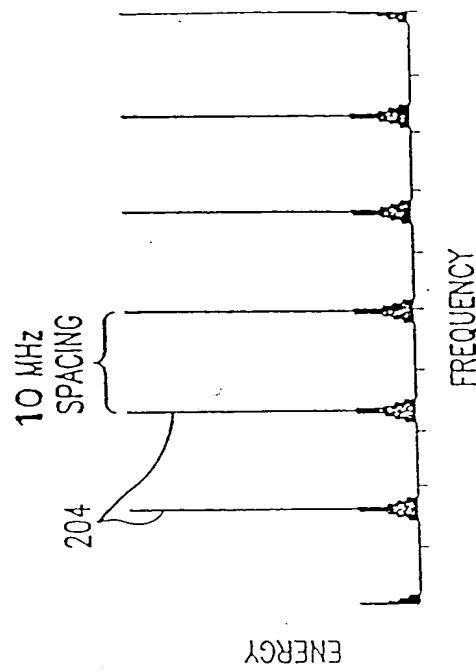
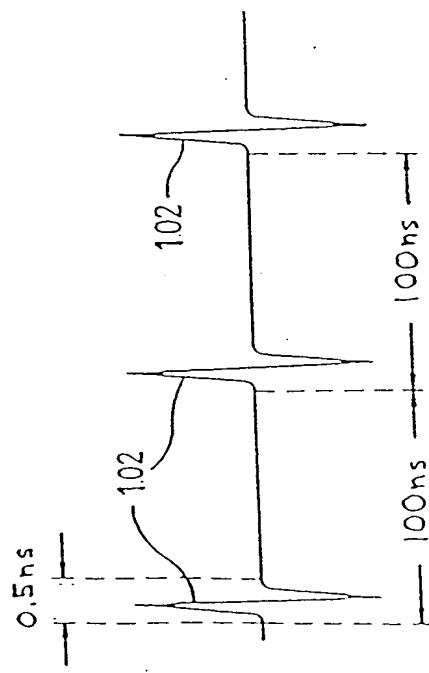


FIG. 2A



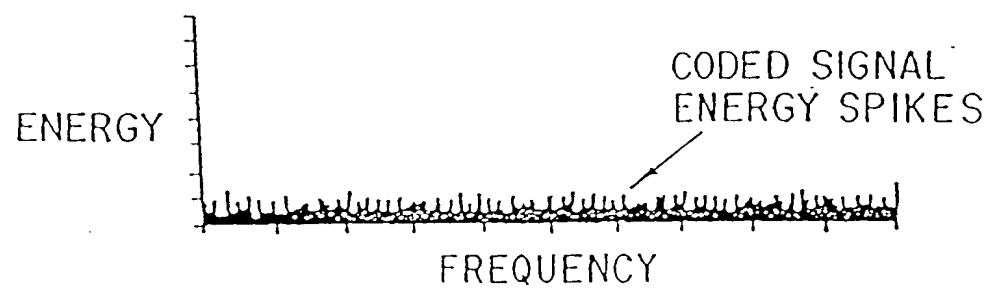


FIG. 3

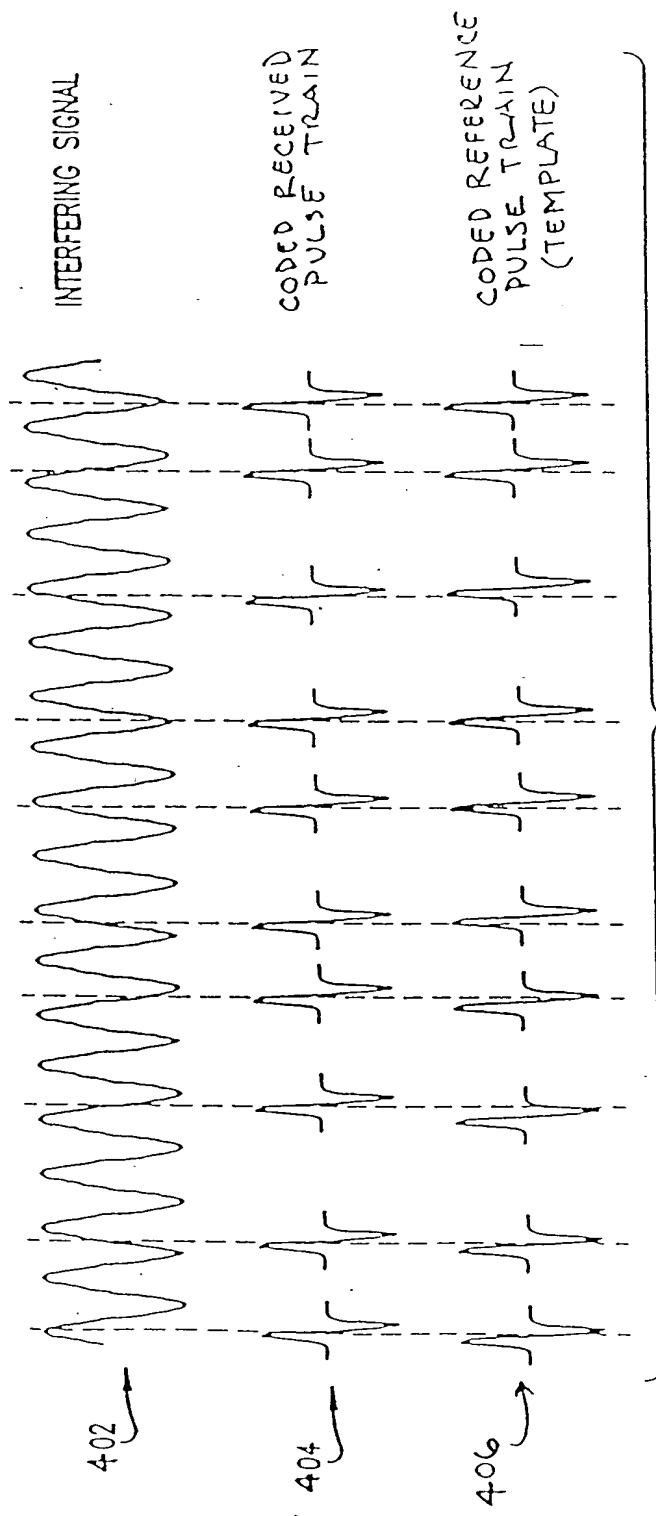


FIG. 4

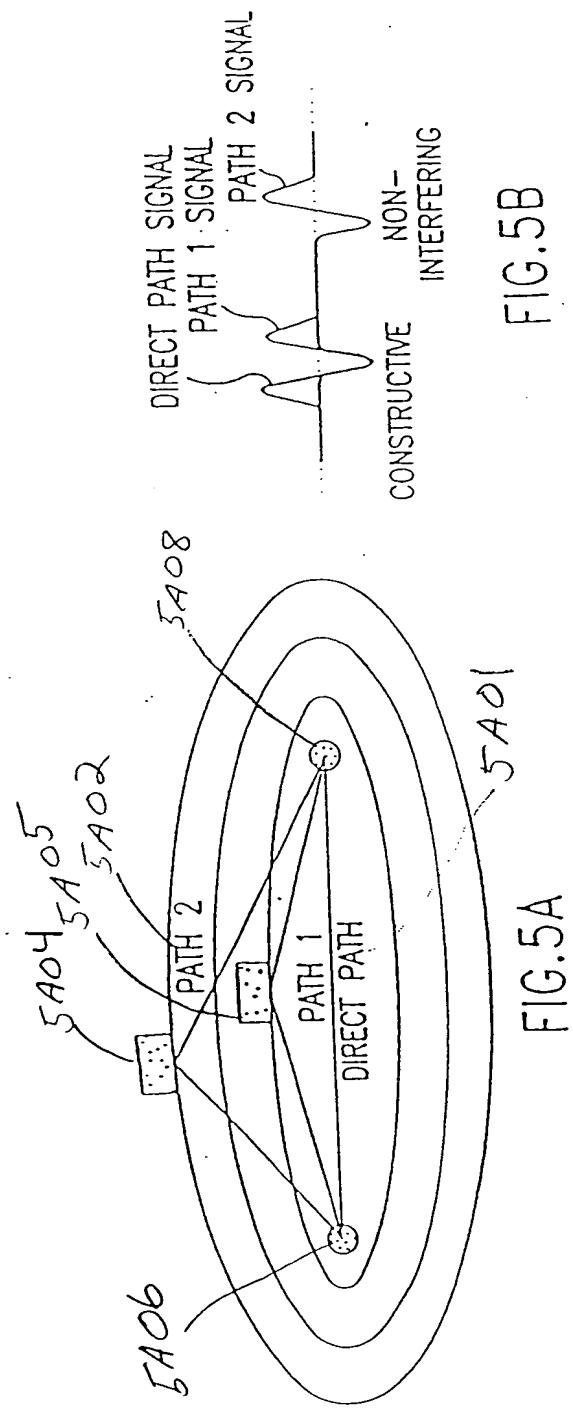
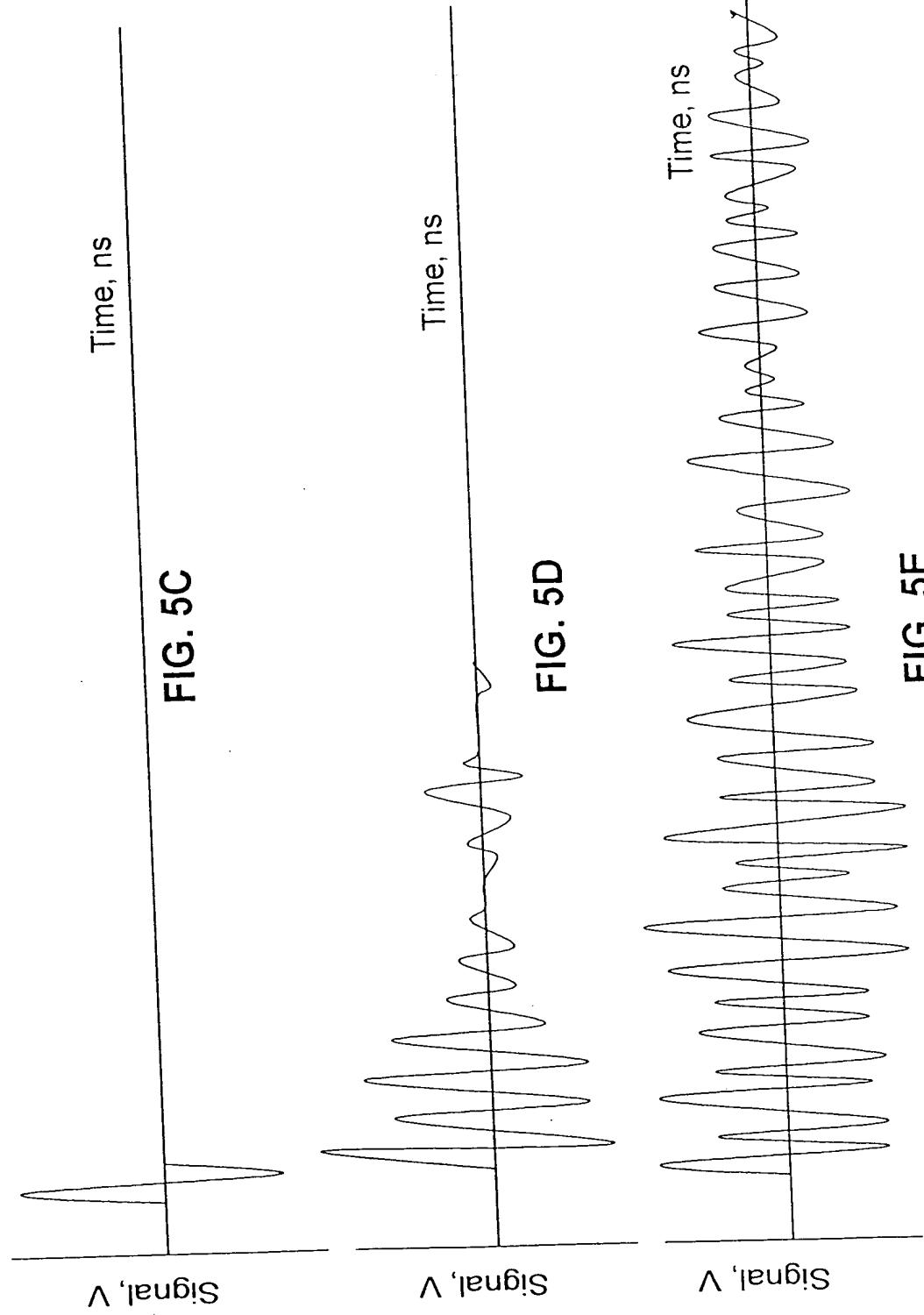


FIG. 5A



**FIG. 5C**

**FIG. 5D**

**FIG. 5E**

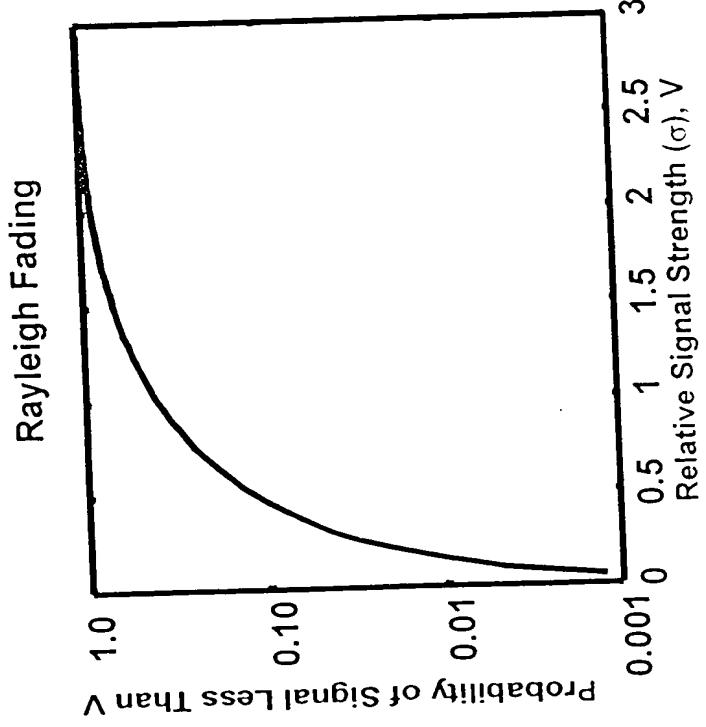
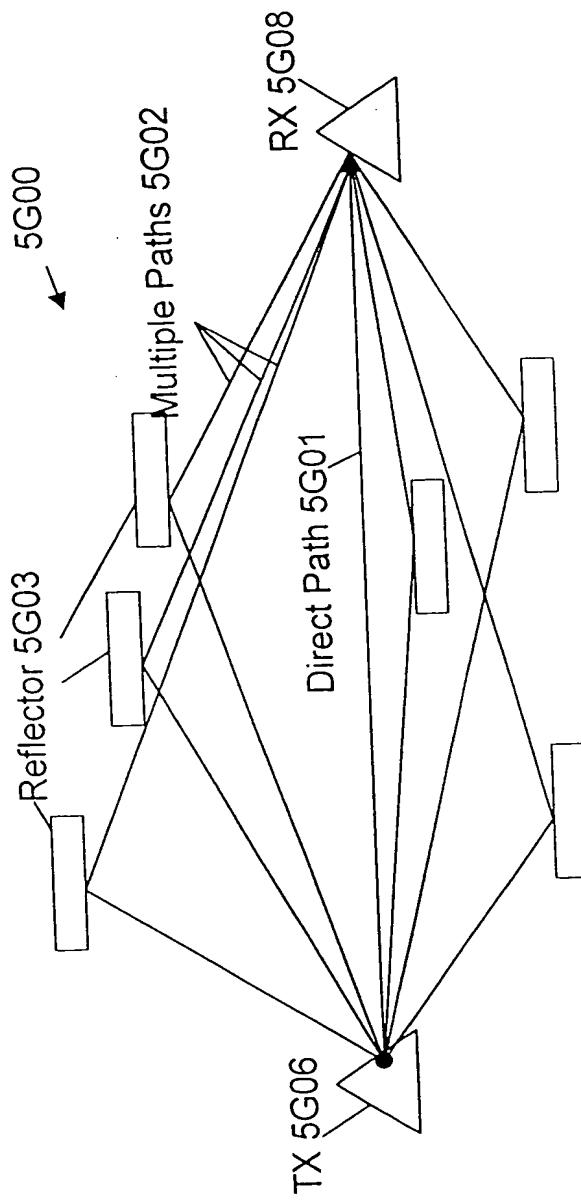
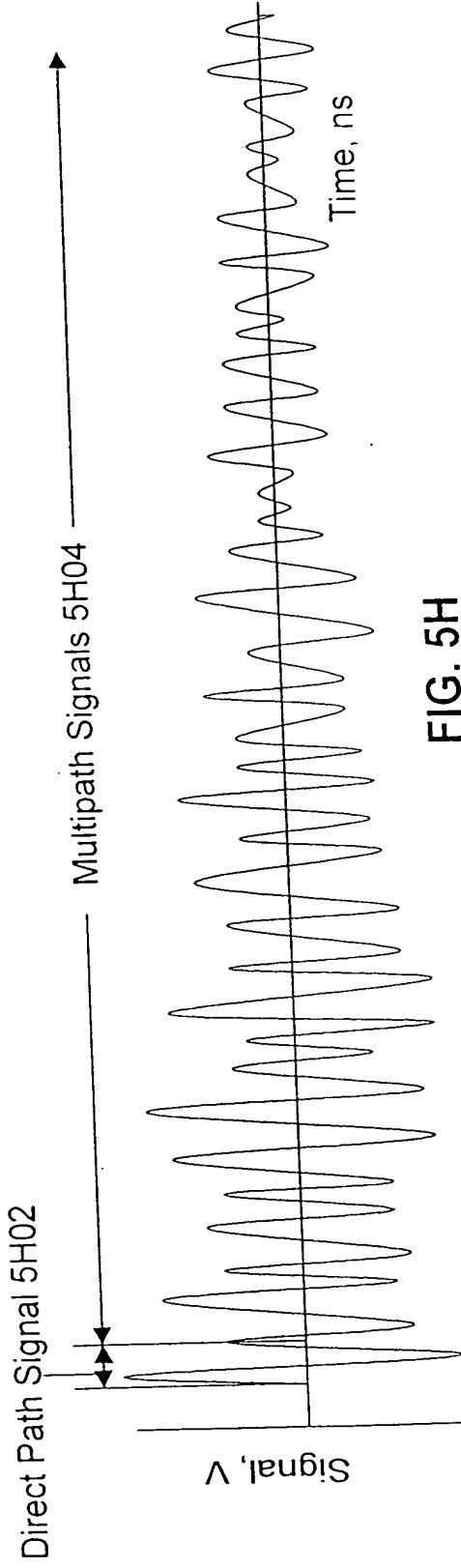


Fig. 5F



**FIG. 5G**



**FIG. 5H**

Impulse Radio Receiver  
702

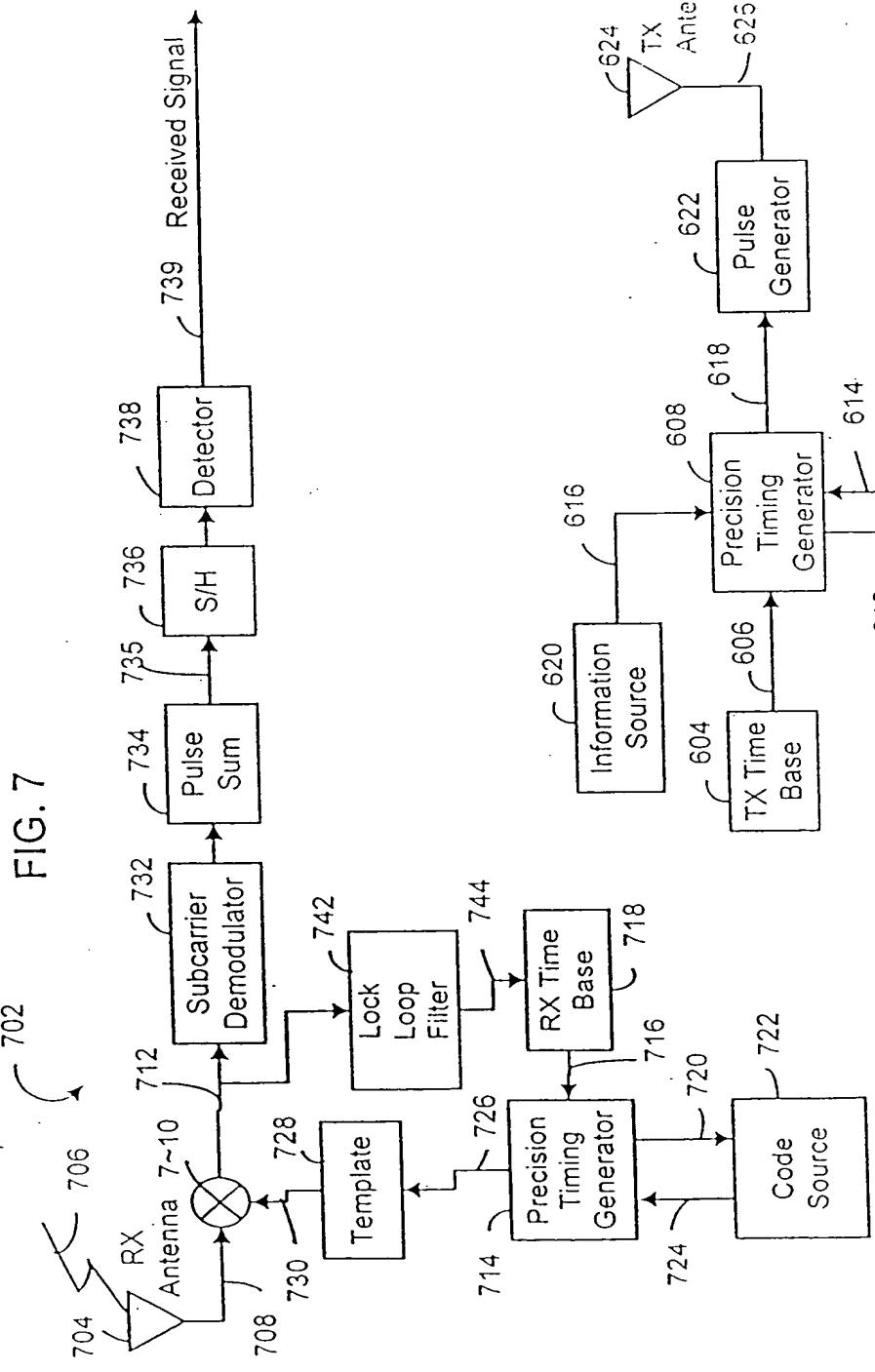
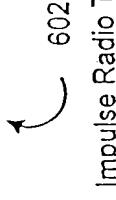


FIG. 7

FIG. 6



Impulse Radio Transmitter

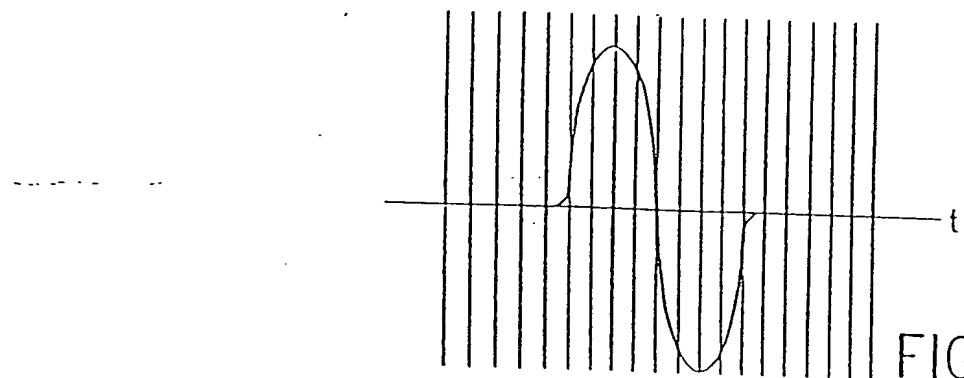


FIG. 8A

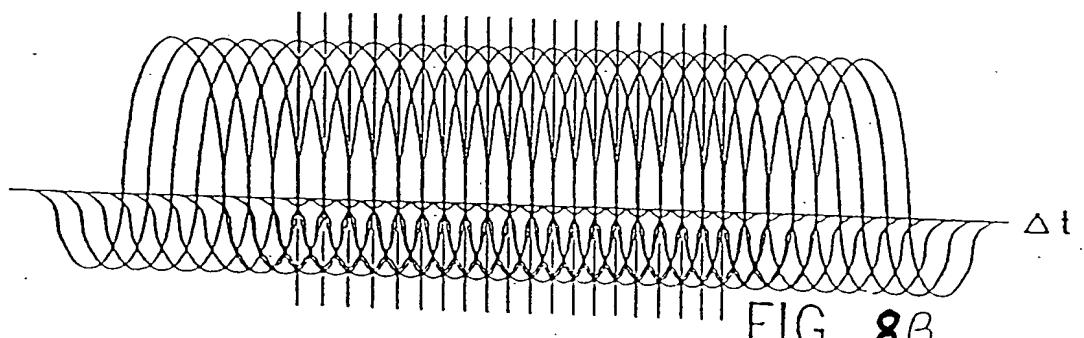
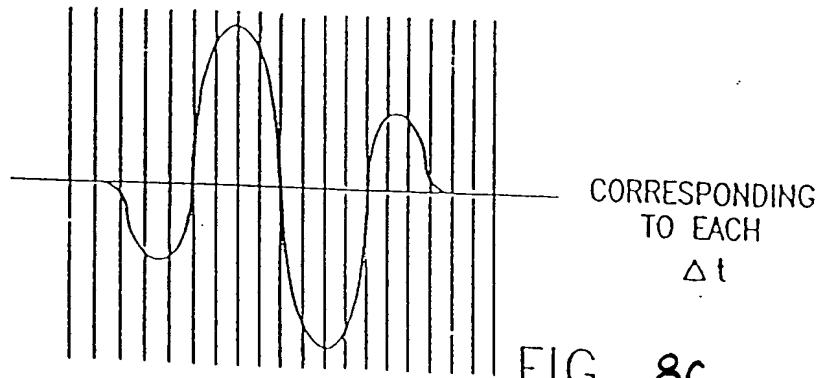
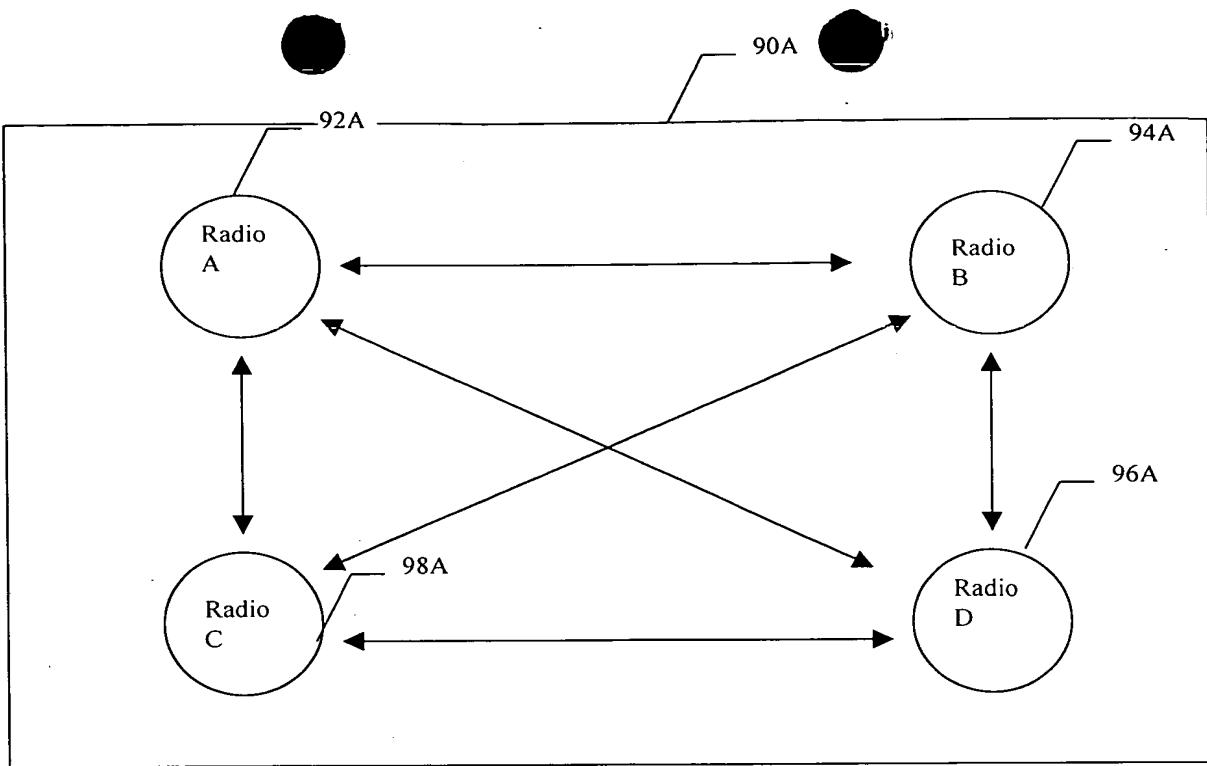


FIG. 8B



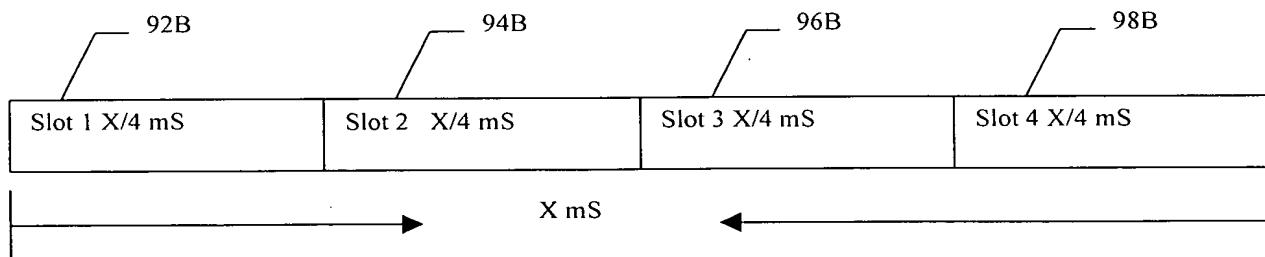
CORRESPONDING  
TO EACH  
 $\Delta t$

FIG. 8c



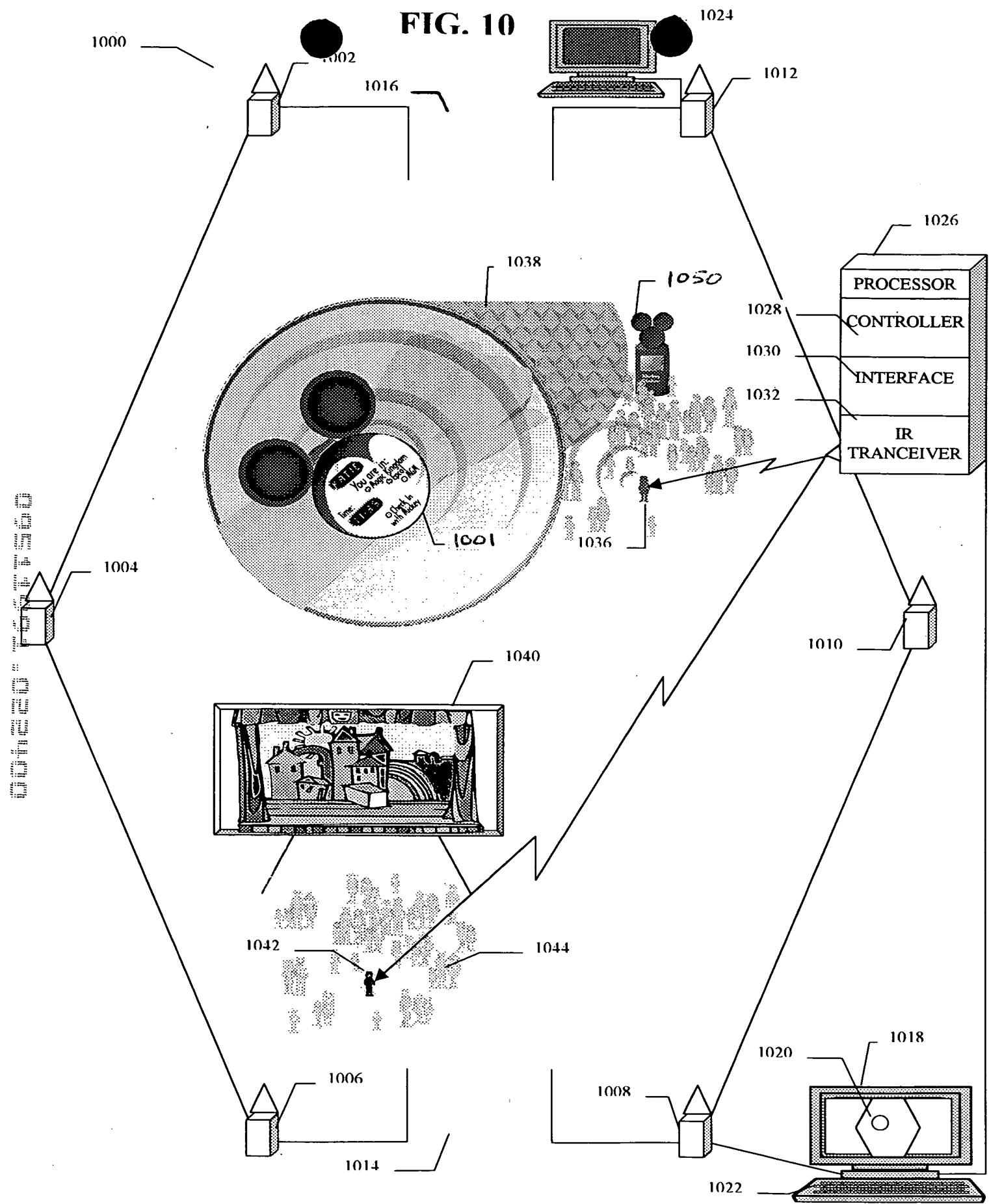
Four nodes in an Impulse Radio TDMA linked network

**FIG. 9A**

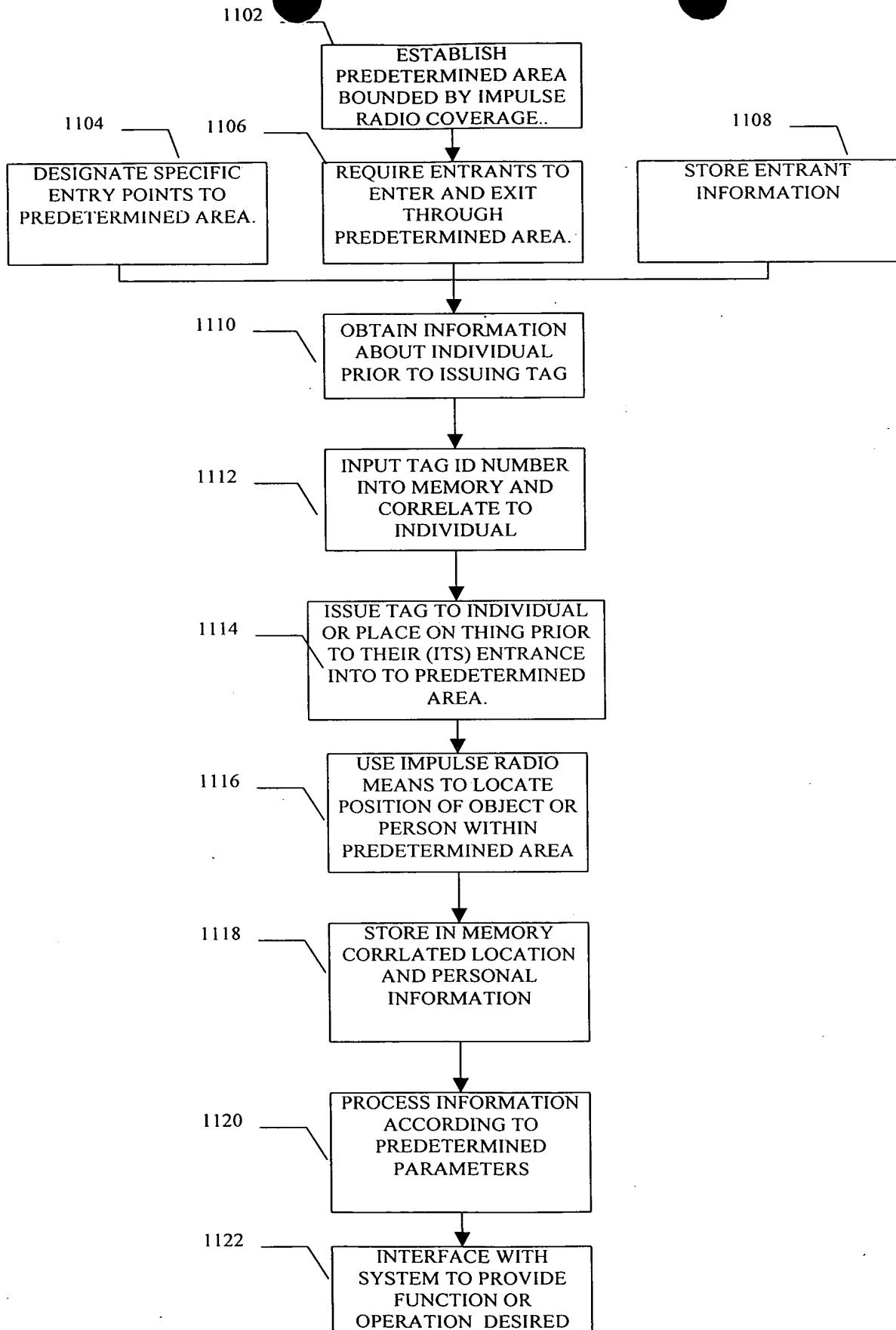


**FIG. 9B**

**FIG. 10**



**FIG. 11**



**FIG. 12**

